

International RELAP5-3D Users Group

September 12 – 13, 2013

**Residence Inn
635 W. Broadway
Idaho Falls, ID 83402
1-208-542-0000**

Host: James Wolf
Meeting Coordinator: Barbara Taylor, Jeni Baker

Rev. 3
September 3, 2013

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Residence Inn, Idaho Falls, ID

Chairman: Jim Wolf - INL

08:00	Registration.....	Lobby outside Conference Room at Residence Inn
08:30	Welcome and Introductions	Jim Wolf - INL
08:45	Architectural Issues and Developments	George Mesina - INL
09:15	RELAPManager – A B&W mPower Safety Analysis Tool for Regulatory Acceptance	Simone Morgan – B&W mPower
09:45	RELAP5-3D Verification/Restart/Backup Testing	George Mesina – INL
10:15	Break	
10:30	Developer Guidelines for RELAP5-3D Programming 2013.....	George Mesina – INL
11:00	Nodal Kinetics Upgrades in RELAP5-3D.....	Douglas Barber – ISL
11:30	User Tool Upgrades – RGUI Station and Pygmalion Status	Hope Forsmann – INL
12:00	Lunch	

AFTERNOON SESSION CHAIRMAN: Douglas Barber – ISL

- 13:30 RELAP7 Code Development Status Update and Future Plan Hongbin Zhang – INL
- 14:00 Improvements in RELAP5-3D Plot Files George Mesina – INL
- 14:30 Verification and Validation of a Single-phase Natural Circulation Loop Model in RELAP5-3D Nicolas Zweibaum – UC Berkeley
- 15:00 Break
- 15:15 Overview of the RELAP5-3D Code Activities in ENEA Carlo Parisi – ENEA
- 15:45 Status of the PHISICS/RELAP5-3D Coupling and Application to Phase I of the OECD/NEA MHTGR-350 MW Benchmark Gerhard Strydom – INL
- 16:15 Comparison of MYRRHA RELAP5 mod 3.3 and RELAP5-3D Models on Steady State of PLOF Transient Diego Catelliti – SCK-CEN
- 16:45 General Approach to Integration of RELAP with Other Codes With Remote Web-Based Execution Sam Alessi – INL
- 17:15 Adjourn

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Friday, September 13, 2013

Chairman: George Mesina – INL

- 08:00 Comparison of NRELAP5 to ORNL THTF Test and the

NuScale Critical Heat Flux Tests	Douglas Lucas – NuScale
08:30 PRA Analysis Performed Using RAVEN with RELAP5-3D	Christian Rabiti – INL
09:00 Thermal-Hydraulic Analysis Results of a Seismically-induced Loss of Coolant Accident Involving Experiment Out-of-pile Loop Piping at the Idaho National Laboratory Advanced Test Reactor	Doug Gerstner – INL
09:30 Evaluation of Variations in the ATR Axial Power Distribution on Core Safety Margins	Cliff Davis – INL
10:00 Break	
10:15 HTTF Scoping Calculations	Paul Bayless – INL
10:45 RELAP5-3D V&V Using HTTF Data	Richard Schultz – INL
11:15 Assessment of RELAP5-3D for Future Reactor Designs	Glenn Roth – INL
11:45 Validation of PHISICS RELAP5-3D for a Full Core Fuel Cycle	Andrea Alfonsi – INL
12:15 Lunch	
13:45 Texas A&M University – Thermal Hydraulic Research	Vaghetto – TAMU
14:15 IRUG Business	
• Introduction	
• Approval of the 2012 Meeting Minutes	
• Election of New IRUG Chairman	
14:45 User Problems	Nolan Anderson – INL
15:15 Status of Next RELAP5-3D Release and Changes Since 4.0.3.....	Nolan Anderson – INL
15:45 Break	
16:00 RELAP5 License and Export Control Statues	Gary Smith – INL
16:30 Dates for next year's meeting	Jim Wolf – INL
16:45 Other Business.....	All
17:00 Adjourn	

